Notice of Allowability	Application No.	Applicant(s)
	09/775,896	BENSON ET AL.
	Examin r	Art Unit
	Ronald D Hartman Jr.	2121
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGORY of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the amendment filed of the allowed claim(s) is/are 1-8 and 10-15 (renumbered as a second price of the drawings filed on 19 April 2004 are accepted by the Extension of the communication is made of a claim for foreign priority under the communication is made of a claim for foreign priority under the communication of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of the priority documents have a communication of the certified copies of	ears on the cover sheet with the county (OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308. on 10/5/2004. 1-14). caminer. der 35 U.S.C. § 119(a)-(d) or (f).	orrespondenc address plication. If not included it will be mailed in due course. THIS to withdrawal from issue at the initiative
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	ENT of this application. itted. Note the attached EXAMINER	'S AMENDMENT or NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	• •	nion is denoient.
(a) ☐ including changes required by the Notice of Draftspers		948) attached
1) hereto or 2) to Paper No./Mail Date	. •	5 10, and 6.10 a
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 	sit of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5 Notice of Informal P	atent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	, , , , , , , , , , , , , , , , , , , ,
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat	e
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statement	ent of Reasons for Allowance
of Biological Material	9.	
	Parts	for
Anthony Knight		
	Supervisory Pa	atent Examiner
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Application/Control Number: 09/775,896

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DETAILED ACTION

1. Claims 1-8 and 10-15 are presented for further examination.

Allowable Subject Matter

2. Claims 1-8 and 10-15 are allowed.

As per claims 1-5, specifically independent claim 1, as the applicant has persuasively argued, the prior art of record fails to teach or adequately suggest a method for determining the validity of a sensor by scaling the points of inflection of a fuzzy logic membership function proportional to the standards deviation of a difference between an actual sensors signal and an estimate sensor signal, in combination with the other claimed features and or limitations as claimed.

As per claims 6-8, specifically independent claim 6, the applicant's attention is directed to the office action mailed on 7/27/2004, in which the novel aspects of at least claim 6 have already been sufficiently addressed and this reasoning for allowance of claims 6-8 is applied equally herein.

As per claims 10-15, specifically independent claim 10, the prior art of record fails to teach or adequately suggest a method of individually determining whether a plurality of sequential sensor values are valid by revising x-axis values of a fuzzy logic membership function in combination with a feature wherein a collective degree of scatter (e.g. standard deviation) of the individual degrees of differences is also calculated so as to improve the overall results and provide for a very reliable means of determining whether a sensor value is valid or not, in combination with the other claimed features and or limitations as claimed.

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Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald D Hartman Jr. whose telephone number is (571) 272 - 3684. The examiner can normally be reached on Mon. - Fri., 10:00 am - 6:030 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached at (571) 272 - 3687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit 2121

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